



VARI*LITE

FRESNEL

TUNABLE COOL WHITE

TUNABLE WARM WHITE

DMX MAP

TABLE 1. 16 BIT

DMX CHANNEL	PARAMETER	DEFAULTS	RANGE DMX	DESCRIPTION
1	Intensity (High)	0	0 - 65535	16-bit Intensity (Dimmer) Control
2	Intensity (Low)			0 - 100% Outut
3	Strobe	0	0 - 255	Control of Strobe
			0 - 9	No Strobe Function - Shutter open
			10 - 99	Strobe S>>>>F
			100 - 109	No Strobe Function - Shutter open
			110 - 179	Lighting Strobe S>>>>F
			180 - 189	No Strobe Function - Shutter open
			190 - 255	Random Strobe S>>>>F
4	Fan Control	0	0 - 255	Dynamic control of fan speed vs LED output
			0 - 4	Automatic fan/output adjustment
			5 - 255	Linear control fo fan speed and LED output*
				DMX 5 = Highest Constant Fan Speed
				DMX 255 = Lowest Constant Fan Speed
	* Standard mode only			
5	Control Channel	0	0 - 255	Control Channel used for fixture settings
				Set discrete value of desired effect, wait >3 seconds, then set value to 0 (idle)
				**Function does not require 3 second rule to activate function
			0 - 5	Idle (Default must be 0)
			6 - 10	Full luminaire Re-Cal - also wakes from shutdown
			11 - 15	Fixture Shutdown
			16 - 20	Reserved
			21 - 25	Display - Menu ON
			26 - 30	Display - Menu OFF
			31 - 40	Reserved
			41 - 45	Dimming Curve Linear**
			46 - 50	Dimming Curve S-Curve**
			51 - 55	Dimming Curve Square Law (Default)**
			56 - 60	Reserved
			61 - 65	Dimmer Snap On**
			66 - 70	Dimmer Snap Off (Default)**
			71 - 110	Reserved
			111 - 115	Standard Mode (Default)
			116 - 120	Studio Mode - Reduced output with lower fan
			121 - 125	Whisper Mode - Reduced output with lower fan
			126 - 135	Reserved
			136 - 140	Fan On (Default)
			141 - 145	Fan Auto
146 - 170	Reserved			
171 - 175	Reset defaults			
176 - 255	Reserved			
6 7	CCT High CCT Low	0	0 - 65535	Tunable LED array 0 - 100% 0 = 4000K (TCW) or 2700K (TWW) 255 = 6500K (TCW) or 4500K (TWW)

TABLE 2. 8 BIT

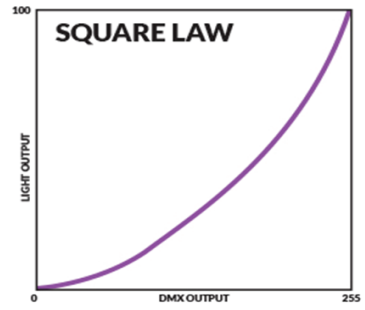
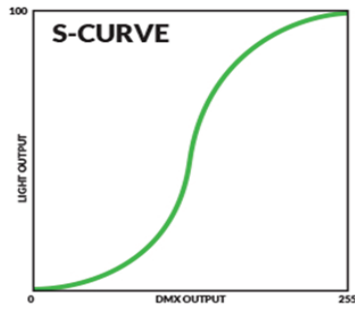
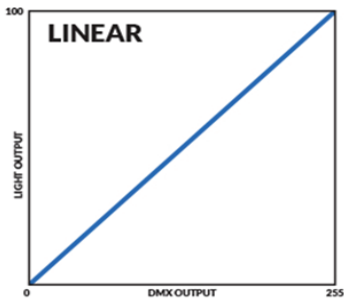
DMX CHANNEL	PARAMETER	DEFAULTS	RANGE DMX	DESCRIPTION
1	Intensity	0	0 - 255	8 bit Intensity (Dimmer) Control 0 - 100% Output
			2	0
0 - 9	No Strobe Function - Shutter open			
10 - 99	Strobe S>>>>F			
100 - 109	No Strobe Function - Shutter open			
110 - 179	Lighting Strobe S>>>>F			
180 - 189	No Strobe Function - Shutter open			
190 - 255	Random Strobe S>>>>F			
3	Fan Control	0	0 - 255	Dynamic control of fan speed vs LED output
			0 - 4	Automatic fan/output adjustment
			5 - 255	Linear control fo fan speed and LED output*
				DMX 5 = Highest Constant Fan Speed
				DMX 255 = Lowest Constant Fan Speed
	* Standard mode only			
4	Control Channel	0	0 - 255	Control Channel used for fixture settings
				Set discrete value of desired effect, wait >3 seconds, then set value to 0 (idle)
				**Function does not require 3 second rule to activate function
			0 - 5	Idle (Default must be 0)
			6 - 10	Full luminaire Re-Cal - also wakes from shutdown
			11 - 15	Fixture Shutdown
			16 - 20	Reserved
			21 - 25	Display - Menu ON
			26 - 30	Display - Menu OFF
			31 - 40	Reserved
			41 - 45	Dimming Curve Linear**
			46 - 50	Dimming Curve S-Curve**
			51 - 55	Dimming Curve Square Law (Default)**
			56 - 60	Reserved
			61 - 65	Dim Snap On**
			66 - 70	Dim Snap Off (Default)**
			71 - 110	Reserved
			111 - 115	Standard Mode (Default)
			116 - 120	Studio Mode - Reduced output with lower fan
			121 - 125	Whisper Mode - Reduced output with lower fan
			126 - 135	Reserved
			136 - 140	Fan On (Default)
			141 - 145	Fan Auto
146 - 170	Reserved			
171 - 175	Reset defaults			
176 - 255	Reserved			
5	CCT	0	0 - 255	Tunable LED array 0 - 100%
				0 = 4000K (TCW) or 2700K (TWW)
				255 = 6500K (TCW) or 4500K (TWW)

TABLE 3. 2 CHANNEL

DMX CHANNEL	PARAMETER	DEFAULTS	RANGE DMX	DESCRIPTION
1	Intensity	0	0 - 255	8 bit Intensity (Dimmer) Control 0 - 100% Output
2	CCT	0	0 - 255	Tunable LED array 0 - 100%
				0 = 4000K (TCW) or 2700K (TWW)
				255 = 6500K (TCW) or 4500K (TWW)
			5 - 255	Linear control fo fan speed and LED output*
				DMX 5 = Highest Constant Fan Speed DMX 255 = Lowest Constant Fan Speed
				* Standard mode only

TABLE 4. CONTROL CHANNEL

DMX RANGE	ITEMS	DESCRIPTION	POWER CYCLE RULES	FUNCTION SELECTION VIA UI
0 - 255	Control Channel	Control channel used for fixture settings Set discrete value of desired effect, wait >3 seconds, then set value to 0 (idle) **Function does not require 3 second rule to activate function	N/A	N/A
0 - 5	Idle (Default)	Default value used to active functions. Should default to 0	N/A	N/A
6 - 10	Full Luminaire ReCal	Recalibrates all functions in the luminaire. Also used to wake from shutdown	N/A	Yes
11 - 15	Fixture Shutdown	Shuts down all fixture output and turns off all fans. Fixture can be re-activated by a power cycle or via the ReCal command	Will restart normally	Yes, press Menu twice to wake
16 - 20	Reserved			
21 - 25	Display - Menu On	Switches UI display on remotely - Display will time out as set in UI	N/A	Button press turns display on
26 - 30	Display - Menu Off	Switched UI display off remotely if on.	N/A	N/A
31 - 40	Reserved			
41 - 45	Dimming Curve Linear**	Selects Linear Dimming Curve	Holds setting on power cycle	Yes
46 - 50	Dimming Curve S-Curve**	Selects S-Law Dimming Curve	Holds setting on power cycle	Yes
51 - 55	Dimming Curve Square Law (Default)**	Selects Square Law Dimming Curve	Holds setting on power cycle	Yes
56 - 60	Reserved			
61 - 65	Dimmer Snap On**	Allows for fastest output changes between levels but reduces smoothness of dimming and color	Holds setting on power cycle	Yes
66 - 70	Dimmer Snap Off (Default)**	Ensure fades between levels remain smooth and flicker free but limits instand snaps	Holds setting on power cycle	Yes
71 - 110	Reserved			
111 - 115	Standard Mode (Default)	Standard mode - Full LED output + full continuous fan at max speed (loudest setting). Fan remains at constant speed (unless in fan auto mode). NC40	Holds setting on power cycle	Yes
116 - 120	Studio Mode	Studio mode - Fan speed reduced to reduce dB levels 10% of full speed and LED output approximatly 80% of standard. Fan remains constant speed (unless in fan auto mode). NC35	Holds setting on power cycle	Yes
121 - 125	Whisper Mode	Whisper Mode - Fan speed reduced to reduce dB levels 30% of full speed and LED output approximatly 60% of standard. Fan remains constand speed (unless in fan auto mode). NC25	Holds setting on power cycle	Yes
126 - 135	Reserved			
136 - 140	Fan On (Default)	Fan runs at continuous speed for selected output mode	Holds setting on power cycle	Yes
141 - 145	Fan Auto	Fans will increase/decrease speed based on LED operation	Holds stting on power cycle	Yes
146 - 170	Reserved			
171 - 175	Reset default	Resets all paramters to factory default with the exception of DMX address and fixture DMX Mode	N/A	Yes, but will reset DMX address and DMX Mode
176 - 255	Reserved			



TECHNICAL SUPPORT

GLOBAL 24HR TECHNICAL SUPPORT:

Call: +1 214 647 7880

entertainment.service@signify.com

NORTH AMERICA SUPPORT:

Call: 877-VARI-LITE (877-827-4583)

entertainment.service@signify.com

EUROPEAN CUSTOMER SERVICE CENTER:

Call: +31 (0) 543 542 531

entertainment.europe@signify.com

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